

Appendix B

Table 1: LC-MS/MS system limits of quantitation (LOQ) for emerging PFAS analytes in the 10 fruit and vegetable matrices.

	HFPO-DA (µg/kg)	PFBS (µg/kg)	PFHxA (µg/kg)	4:2 FTS (µg/kg)	PFPeS (µg/kg)	PFHpA (µg/kg)	NaDONA (µg/kg)	6:2 FTS (µg/kg)	PFHpS (µg/kg)	PFDA (µg/kg)	8:2 FTS (µg/kg)	PFNS (µg/kg)
Carrot	0.0020	0.0006	0.0217	0.0010	0.0001	0.0275	0.0001	0.3459	0.0001	0.0001	0.0003	0.0002
Blueberry	0.0039	0.0011	0.0446	0.0075	0.0005	0.0574	0.0001	0.0147	0.0002	0.0001	0.0002	0.0001
Beetroot	0.0020	0.0007	0.0500	0.0136	0.0001	0.0601	0.0001	0.0155	0.0002	0.0001	0.0002	0.0002
Kale	0.0039	0.0004	0.0192	0.0420	0.0005	0.0204	0.0001	0.8820	0.0001	0.0005	0.0052	0.0001
Mushroom	0.0020	0.0009	0.0307	0.0027	0.0001	0.0388	0.0001	0.5384	0.0001	0.0001	0.0004	0.0001
Apple/pear	0.0078	0.0003	0.0365	0.0013	0.0005	0.0518	0.0002	0.3210	0.0005	0.0001	0.0002	0.0005
Onion	0.0020	0.0004	0.0536	0.0023	0.0001	0.0683	0.0001	0.5483	0.0001	0.0005	0.0002	0.0002
Potato	0.0039	0.0004	0.0540	0.0009	0.0005	0.0836	0.0001	0.2117	0.0005	0.0005	0.0002	0.0001
Tomato	0.0020	0.0007	0.0461	0.0039	0.0001	0.0520	0.0001	0.4425	0.0001	0.0001	0.0003	0.0001
Wheat flour	0.0078	0.0004	0.0195	0.0013	0.0001	0.0228	0.0001	0.2852	0.0002	0.0001	0.0001	0.0005

Table 1 (continued): LC-MS/MS system limits of quantitation (LOQ) for emerging PFAS analytes in the 10 fruit and vegetable matrices.

	PFUdA (µg/kg)	9Cl- PF3ONS (µg/kg)	N- MeFOSAA (µg/kg)	N- EtFOSAA (µg/kg)	PFDS (µg/kg)	PFDoA (µg/kg)	PFTTrDA (µg/kg)	PFTeDA (µg/kg)	PFBA (µg/kg)	PFPeA (µg/kg)	11Cl- PF3OuDS (µg/kg)
Carrot	0.0001	0.0005	0.0004	0.0004	0.0002	0.0001	0.0005	0.0005	0.0221	0.0102	0.0001
Blueberry	0.0001	0.0005	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0460	0.0241	0.0005
Beetroot	0.0001	0.0001	0.0001	0.0004	0.0001	0.0001	0.0001	0.0005	0.0503	0.0263	0.0001
Kale	0.0001	0.0002	0.0001	0.0001	0.0002	0.0001	0.0005	0.0005	0.0358	0.0083	0.0005
Mushroom	0.0001	0.0001	0.0001	0.0001	0.0002	0.0001	0.0001	0.0001	0.0401	0.0131	0.0002
Apple/pear	0.0002	0.0001	0.0004	0.0001	0.0005	0.0002	0.0004	0.0002	0.0300	0.0158	0.0009
Onion	0.0005	0.0001	0.0001	0.0001	0.0001	0.0001	0.0005	0.0001	0.0514	0.0226	0.0005
Potato	0.0006	0.0005	0.0001	0.0001	0.0001	0.0006	0.0008	0.0009	0.0618	0.0272	0.0009
Tomato	0.0002	0.0001	0.0008	0.0003	0.0001	0.0005	0.0005	0.0001	0.0467	0.0218	0.0005
Wheat flour	0.0001	0.0001	0.0001	0.0001	0.0001	0.0005	0.0001	0.0001	0.0240	0.0082	0.0009

Table 2: Method validation data for the analysis of emerging PFAS in carrot.

	HFPO-DA	PFBS	PFHxA	4:2 FTS	PFPeS	PFHpA	NaDONA	6:2 FTS	PFHpS	PFDA	8:2 FTS	PFNS
Blank	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration	<0.002 0	<0.000 6	FAIL RB	0.0002	0.0016	FAIL RB	<0.0001	FAIL RB	<0.000 1	0.000 2	<0.000 3	<0.000 2
NS spike 0.001 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	<0.002 0	0.0010	NR	0.0025	0.0003	NR	0.0010	NR	0.0009	0.001 1	0.0011	0.0009
CV (%)	NR	21.6	NR	74.5	170.3	NR	7.7	NR	5.7	5.5	17.3	11.8
Mean recovery (%)	NR	104.0	NR	249.7	32.8	NR	100.5	NR	89.3	106.4	111.5	90.6
NS spike 0.005 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	0.0043	0.0049	NR	0.0042	0.0038	NR	0.0051	NR	0.0049	0.005 2	0.0050	0.0049
CV (%)	16.5	3.5	NR	3.1	11.0	NR	5.2	NR	1.9	4.2	1.3	4.4
Mean recovery (%)	86.0	97.2	NR	84.2	75.3	NR	103.0	NR	97.5	103.3	100.1	98.0
NS spike 0.050 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	0.0483	0.0442	NR	0.0447	0.0458	NR	0.0506	NR	0.0486	0.049 6	0.0498	0.0541
CV (%)	5.0	3.9	NR	3.6	5.0	NR	4.9	NR	3.1	3.1	5.0	14.2
Mean recovery (%)	96.6	88.4	NR	89.4	91.6	NR	101.1	NR	97.2	99.2	99.6	108.2

FAIL RB = presence of the PFAS analyte in the reagent blank above the native standard spike; NR = no result due to insufficient data for calculations

Table 2 (continued): Method validation data for the analysis of emerging PFAS in carrot.

	PFUdA	9Cl-PF3ONS	N-MeFOSAA	N-EtFOSAA	PFDS	PFDoA	PFTTrDA	PFTeDA	PFBA*	PFPeA*	11Cl-PF3OuDS
Blank	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration	0.0002	<0.0005	<0.0004	<0.0004	<0.0002	0.0002	<0.0005	<0.0005	FAIL RB	0.0107	<0.0001
NS spike 0.001 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	0.0010	0.0008	0.0008	0.0008	0.0008	0.0008	0.0015	0.0010	NR	0.0069	0.0006
CV (%)	9.3	6.8	8.9	9.2	21.2	14.6	13.4	8.9	NR	41.6	10.3
Mean recovery (%)	97.2	77.0	77.7	81.5	79.0	78.5	145.3	101.5	NR	690.5	56.0
NS spike 0.005 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	0.0051	0.0042	0.0038	0.0040	0.0044	0.0039	0.0068	0.0051	NR	0.0105	0.0035
CV (%)	4.4	4.9	2.5	3.4	7.0	7.3	9.3	5.0	NR	20.1	10.1
Mean recovery (%)	102.8	84.7	76.4	80.3	87.7	78.1	135.1	101.1	NR	210.8	69.3
NS spike 0.050 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	0.0504	0.0440	0.0365	0.0387	0.0496	0.0417	0.0745	0.0503	NR	0.0548	0.0356
CV (%)	4.7	8.0	3.0	2.9	18.2	13.6	4.0	3.0	NR	4.6	17.1
Mean recovery (%)	100.8	88.1	73.0	77.3	99.2	83.3	149.1	100.6	NR	109.6	71.3

FAIL RB = presence of the PFAS analyte in the reagent blank above the native standard spike; NR = no result due to insufficient data for calculations; * = single MRM transition for analyte identification

Table 3: Method validation data for the analysis of emerging PFAS in blueberries.

	HFPO-DA	PFBS	PFHxA	4:2 FTS	PFPeS	PFHpA	NaDONA	6:2 FTS	PFHpS	PFDA	8:2 FTS	PFNS
Blank	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration	<0.003 9	0.0005	FAIL RB	<0.007 5	<0.000 5	FAIL RB	<0.0001	0.0080	0.0003	<0.000 1	<0.000 2	<0.000 1
NS spike 0.001 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	<0.003 9	0.0005	NR	0.0007	0.0009	NR	0.0005	0.0003	0.0006	0.0010	0.0007	0.0030
CV (%)	NR	75.5	NR	49.3	0.9	NR	45.2	826.4	54.8	9.2	36.4	50.2
Mean recovery (%)	NR	52.9	NR	65.9	89.5	NR	52.5	32.1	55.9	95.3	71.4	300.4
NS spike 0.005 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	<0.003 9	0.0043	NR	0.0049	0.0044	NR	0.0039	0.0065	0.0046	0.0047	0.0049	0.0122
CV (%)	NR	3.1	NR	2.7	2.0	NR	5.6	10.5	2.8	4.4	3.0	31.3
Mean recovery (%)	NR	87.0	NR	97.8	88.7	NR	78.7	129.9	92.4	94.0	98.9	243.7
NS spike 0.050 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	0.0450	0.0445	NR	0.0489	0.0455	NR	0.0376	0.0523	0.0480	0.0496	0.0493	0.2128
CV (%)	5.8	2.5	NR	2.9	3.2	NR	8.4	3.0	3.0	3.0	1.0	53.2
Mean recovery (%)	89.9	89.1	NR	97.8	91.1	NR	75.2	104.7	96.1	99.3	98.7	425.6

FAIL RB = presence of the PFAS analyte in the reagent blank above the native standard spike; NR = no result due to insufficient data for calculations

Table 3 (continued): Method validation data for the analysis of emerging PFAS in blueberries.

	PFUdA	9Cl-PF3ONS	N-MeFOSAA	N-EtFOSA A	PFDS	PFDoA	PFTTrD A	PFTeD A	PFBA*	PFPeA*	11Cl-PF3OuDS
Blank	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration	0.0003	<0.0005	<0.0002	0.0003	<0.0001	<0.0001	<0.0001	<0.0001	FAIL RB	0.0027	<0.0005
NS spike 0.001 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	0.0011	0.0010	0.0006	0.0003	0.0023	0.0006	0.0008	0.0009	NR	0.0001	0.0008
CV (%)	29.3	28.4	43.5	119.9	42.9	24.4	45.1	33.9	NR	1529.0	19.1
Mean recovery (%)	128.3	99.1	NR	25.4	235.0	NR	84.8	NR	NR	8.1	NR
NS spike 0.005 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	0.0049	0.0056	0.0039	0.0032	0.0096	0.0018	0.0048	0.0055	NR	0.0045	0.0041
CV (%)	11.2	3.2	11.0	9.0	25.5	29.5	12.4	17.1	NR	7.4	10.7
Mean recovery (%)	98.7	112.0	78.5	64.3	191.9	36.7	96.6	110.7	NR	89.6	82.6
NS spike 0.050 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	0.0488	0.0732	0.0371	0.0374	0.1649	0.0223	0.0496	0.0513	NR	0.0493	0.0491
CV (%)	6.2	22.6	4.5	3.6	53.5	20.3	35.6	4.4	NR	1.8	16.0
Mean recovery (%)	97.5	146.3	74.2	74.8	329.8	44.7	99.2	102.5	NR	98.6	98.2

FAIL RB = presence of the PFAS analyte in the reagent blank above the native standard spike; NR = no result due to insufficient data for calculations; * = single MRM transition for analyte identification

Table 4: Method validation data for the analysis of emerging PFAS in beetroot.

	HFPO-DA	PFBS	PFHxA	4:2 FTS	PFPeS	PFHpA	NaDONA	6:2 FTS	PFHpS	PFDA	8:2 FTS	PFNS
Blank	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration	<0.000 2	0.0102	FAIL RB	<0.013 6	<0.000 1	FAIL RB	<0.0001	0.0085	0.0003	0.0003	<0.000 2	<0.000 2
NS spike 0.001 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	<0.000 2	0.0010	NR	0.0009	0.0009	NR	0.0009	0.0074	0.0010	0.0009	0.0010	0.0009
CV (%)	NR	38.8	NR	5.4	1.7	NR	6.3	146.1	4.3	5.4	2.8	5.3
Mean recovery (%)	NR	102.5	NR	91.7	89.1	NR	94.2	743.0	97.5	86.1	97.1	93.8
NS spike 0.005 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	0.0045	0.0047	NR	0.0048	0.0044	NR	0.0047	0.0039	0.0049	0.0047	0.0049	0.0054
CV (%)	18.9	8.0	NR	1.2	2.7	NR	2.0	10.3	4.5	4.2	1.6	4.3
Mean recovery (%)	89.9	94.6	NR	95.1	88.9	NR	93.9	77.1	98.5	94.4	98.2	107.1
NS spike 0.050 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	0.0485	0.0439	NR	0.0491	0.0445	NR	0.0473	0.0478	0.0497	0.0493	0.0490	0.0621
CV (%)	3.9	1.1	NR	1.6	1.7	NR	3.3	3.5	5.1	2.8	1.7	34.5
Mean recovery (%)	96.9	87.8	NR	98.2	89.0	NR	94.5	95.6	99.4	98.6	98.0	124.2

FAIL RB = presence of the PFAS analyte in the reagent blank above the native standard spike; NR = no result due to insufficient data for calculations

Table 4 (continued): Method validation data for the analysis of emerging PFAS in beetroot.

	PFUdA	9Cl-PF3ONS	N-MeFOSAA	N-EtFOSA A	PFDS	PFDoA	PFTTrD A	PFTeDA	PFBA*	PFPeA *	11Cl-PF3OuDS
Blank	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration	0.0002	<0.0001	<0.0001	<0.0004	<0.0001	0.0001	0.0002	<0.0005	FAIL RB	0.0123	<0.0001
NS spike 0.001 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	0.0009	0.0009	0.0007	0.0009	0.0010	0.0007	0.0015	0.0011	NR	0.0018	0.0008
CV (%)	6.6	4.9	9.5	3.9	5.9	9.6	30.3	5.3	NR	67.7	6.8
Mean recovery (%)	90.8	87.7	73.3	88.9	97.4	70.4	151.1	113.4	NR	183.3	84.6
NS spike 0.005 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	0.0049	0.0047	0.0037	0.0038	0.0052	0.0039	0.0091	0.0049	NR	0.0048	0.0047
CV (%)	3.9	5.0	2.5	4.8	7.7	6.3	30.9	3.5	NR	19.3	7.0
Mean recovery (%)	98.5	95.0	73.9	75.9	104.2	78.4	182.0	97.7	NR	96.9	94.0
NS spike 0.050 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	0.0515	0.0530	0.0377	0.0373	0.0494	0.0317	0.1415	0.0490	NR	0.0496	0.0391
CV (%)	3.8	21.0	2.3	3.4	59.4	50.6	74.3	1.2	NR	1.5	59.5
Mean recovery (%)	103.0	106.1	75.4	74.6	98.9	63.3	283.0	98.0	NR	99.3	78.1

FAIL RB = presence of the PFAS analyte in the reagent blank above the native standard spike; NR = no result due to insufficient data for calculations; * = single MRM transition for analyte identification

Table 5: Method validation data for the analysis of emerging PFAS in kale.

	HFPO-DA	PFBS	PFHxA	4:2 FTS	PFPeS	PFHpA	NaDONA	6:2 FTS	PFHpS	PFDA	8:2 FTS	PFNS
Blank	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration	<0.003 9	0.0060	FAIL RB	0.0095	0.0006	FAIL RB	<0.0001	FAIL RB	<0.000 1	<0.000 5	0.0015	<0.000 1
NS spike 0.001 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	<0.003 9	0.0010	NR	0.0268	0.0012	NR	0.0010	NR	0.0010	0.0013	0.0048	0.0008
CV (%)	NR	18.0	NR	160.7	10.1	NR	5.5	NR	11.3	5.1	133.5	27.0
Mean recovery (%)	NR	95.2	NR	2678.9	118.7	NR	100.3	NR	100.8	132.6	479.8	80.4
NS spike 0.005 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	<0.003 9	0.0043	NR	0.0199	0.0052	NR	0.0049	NR	0.0049	0.0050	0.0080	0.0043
CV (%)	NR	8.8	NR	137.9	5.2	NR	5.7	NR	7.3	7.1	54.0	21.7
Mean recovery (%)	NR	85.4	NR	397.9	104.4	NR	97.3	NR	98.1	99.5	160.2	85.3
NS spike 0.050 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	0.0489	0.0442	NR	0.0391	0.0527	NR	0.0499	NR	0.0479	0.0497	0.0473	0.0464
CV (%)	10.5	6.5	NR	23.6	3.9	NR	6.2	NR	4.1	7.6	6.8	11.5
Mean recovery (%)	97.7	88.4	NR	78.2	105.4	NR	99.7	NR	95.9	99.3	94.6	92.8

FAIL RB = presence of the PFAS analyte in the reagent blank above the native standard spike; NR = no result due to insufficient data for calculations

Table 5 (continued): Method validation data for the analysis of emerging PFAS in kale.

	PFUdA	9Cl-PF3ONS	N-MeFOSA A	N-EtFOSA A	PFDS	PFDoA	PFTTrDA	PFTeDA	PFBA*	PFPeA*	11Cl-PF3OuDS
Blank	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration	0.0002	<0.0002	<0.0001	<0.0001	<0.0002	<0.0001	<0.0005	<0.0005	FAIL RB	0.0159	<0.0005
NS spike 0.001 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	0.0010	0.0007	0.0008	0.0008	0.0006	0.0002	0.0011	0.0011	NR	<0.0083	<0.0005
CV (%)	7.2	15.0	23.9	23.7	49.3	15.6	14.9	19.8	NR	NR	NR
Mean recovery (%)	101.0	66.7	78.2	79.8	57.7	24.9	108.0	103.9	NR	NR	NR
NS spike 0.005 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	0.0048	0.0035	0.0035	0.0036	0.0025	0.0014	0.0045	0.0047	NR	<0.0083	0.0015
CV (%)	6.6	14.9	5.0	6.3	21.0	38.1	10.2	4.7	NR	NR	32.4
Mean recovery (%)	95.3	69.8	69.6	72.2	50.3	27.1	90.2	94.3	NR	NR	29.0
NS spike 0.050 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	0.0496	0.0367	0.0367	0.0356	0.0298	0.0118	0.0433	0.0483	NR	0.0484	0.0150
CV (%)	3.1	10.2	6.5	8.7	17.2	22.1	10.4	4.8	NR	10.0	18.2
Mean recovery (%)	99.1	73.5	73.3	71.2	59.6	23.7	86.6	96.6	NR	96.9	30.1

FAIL RB = presence of the PFAS analyte in the reagent blank above the native standard spike; NR = no result due to insufficient data for calculations; * = single MRM transition for analyte identification

Table 6: Method validation data for the analysis of emerging PFAS in mushroom.

	HFPO-DA	PFBS	PFHxA	4:2 FTS	PFPeS	PFHpA	NaDONA	6:2 FTS	PFHpS	PFDA	8:2 FTS	PFNS
Blank	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration	<0.0002	0.0001	FAIL RB	0.0216	<0.000 1	FAIL RB	<0.0001	FAIL RB	<0.000 1	0.0001	0.0022	<0.000 1
NS spike 0.001 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	<0.0002	0.0	NR	<0.002 7	0.0	NR	0.0	NR	0.0	0.0	0.0	0.0
CV (%)	NR	7.8	NR	NR	8.8	NR	4.7	NR	8.0	8.3	96.0	4.4
Mean recovery (%)	NR	89.5	NR	NR	98.3	NR	94.2	NR	95.8	96.4	171.0	81.9
NS spike 0.005 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	0.0038	0.0047	NR	<0.002 7	0.0048	NR	0.0050	NR	0.0046	0.0050	0.0251	0.0028
CV (%)	13.3	5.3	NR	NR	3.3	NR	4.3	NR	7.1	6.4	158.7	25.4
Mean recovery (%)	81.4	93.6	NR	NR	96.9	NR	100.9	NR	91.4	100.7	502.2	55.1
NS spike 0.050 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	0.0420	0.0418	NR	0.0378	0.0436	NR	0.0466	NR	0.0400	0.0470	0.0481	0.0214
CV (%)	4.8	4.0	NR	25.7	3.1	NR	2.8	NR	5.2	2.8	6.7	12.9
Mean recovery (%)	84.1	83.6	NR	75.6	87.3	NR	93.2	NR	80.0	94.0	96.3	42.8

FAIL RB = presence of the PFAS analyte in the reagent blank above the native standard spike; NR = no result due to insufficient data for calculations

Table 6 (continued): Method validation data for the analysis of emerging PFAS in mushroom.

	PFUdA	9Cl-PF3ONS	N-MeFOSAA	N-EtFOSA A	PFDS	PFDoA	PFTTrD A	PFTeDA	PFBA*	PFPeA *	11Cl-PF3OuDS
Blank	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0001	FAIL RB	0.0242	<0.0002
NS spike 0.001 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	0.0010	0.0008	0.0007	0.0008	0.0008	0.0004	0.0003	0.0009	NR	<0.0131	0.0005
CV (%)	5.5	8.3	9.4	8.4	6.2	17.7	11.7	8.7	NR	NR	13.7
Mean recovery (%)	103.1	76.1	70.9	80.5	77.4	41.1	26.4	90.1	NR	NR	45.8
NS spike 0.005 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	0.0054	0.0030	0.0040	0.0039	0.0017	0.0009	0.0027	0.0051	NR	<0.0131	0.0008
CV (%)	7.9	23.8	13.9	9.7	38.5	23.4	59.2	7.9	NR	NR	50.7
Mean recovery (%)	108.6	59.0	79.1	78.8	33.1	17.6	54.0	102.1	NR	NR	16.4
NS spike 0.050 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	0.0470	0.0218	0.0353	0.0341	0.0124	0.0076	0.0396	0.0476	NR	0.0343	0.0067
CV (%)	2.2	12.4	1.5	5.5	17.0	15.4	24.5	3.7	NR	8.6	22.8
Mean recovery (%)	94.0	43.6	70.5	68.1	24.9	15.2	79.1	95.2	NR	68.6	13.5

FAIL RB = presence of the PFAS analyte in the reagent blank above the native standard spike; NR = no result due to insufficient data for calculations; * = single MRM transition for analyte identification

Table 7: Method validation data for the analysis of emerging PFAS in apple/pear composite.

	HFPO-DA	PFBS	PFHxA	4:2 FTS	PFPeS	PFHpA	NaDONA	6:2 FTS	PFHpS	PFDA	8:2 FTS	PFNS
Blank	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration	<0.0078	<0.0003	FAIL RB	0.0071	<0.0005	FAIL RB	<0.0002	FAIL RB	<0.0001	0.0007	0.0011	<0.0005
NS spike 0.001 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	<0.0078	0.0012	NR	0.0073	0.0009	NR	0.0009	NR	0.0009	0.0004	0.0015	0.0011
CV (%)	NR	9.7	NR	163.3	4.6	NR	3.5	NR	6.6	9.2	96.4	4.6
Mean recovery (%)	NR	119.8	NR	731.3	94.9	NR	94.9	NR	93.9	36.5	149.8	113.7
NS spike 0.005 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	<0.0078	0.0047	NR	0.0179	0.0044	NR	0.0043	NR	0.0045	0.0042	0.0059	0.0051
CV (%)	NR	9.6	NR	43.1	7.4	NR	3.8	NR	5.3	4.5	13.0	6.9
Mean recovery (%)	NR	94.9	NR	358.9	87.0	NR	86.2	NR	90.1	84.9	117.1	102.7
NS spike 0.050 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	0.0477	0.0446	NR	0.0543	0.0454	NR	0.0430	NR	0.0471	0.0496	0.0470	0.0519
CV (%)	6.0	9.5	NR	7.4	9.3	NR	6.2	NR	6.6	4.5	4.3	7.5
Mean recovery (%)	95.4	89.1	NR	108.7	90.9	NR	86.0	NR	94.3	99.3	94.1	103.8

FAIL RB = presence of the PFAS analyte in the reagent blank above the native standard spike; NR = no result due to insufficient data for calculations

Table 7 (continued): Method validation data for the analysis of emerging PFAS in apple/pear composite.

	PFUdA	9Cl-PF3ONS	N-MeFOSA A	N-EtFOSA A	PFDS	PFDoA	PFTTrDA	PFTeD A	PFBA*	PFPeA*	11Cl-PF3OuDS
Blank	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration	0.0011	<0.0001	<0.0004	<0.0001	<0.0005	0.0008	<0.0004	0.0005	FAIL RB	0.0269	<0.0009
NS spike 0.001 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	0.0011	0.0010	0.0008	0.0008	0.0011	0.0009	0.0019	0.0012	NR	<0.0158	0.0010
CV (%)	5.2	7.5	9.1	13.0	9.4	4.7	21.7	10.2	NR	NR	7.9
Mean recovery (%)	114.3	97.9	79.3	79.2	106.1	94.5	189.0	116.7	NR	NR	104.9
NS spike 0.005 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	0.0048	0.0049	0.0035	0.0039	0.0043	0.0037	0.0079	0.0048	NR	<0.0158	0.0042
CV (%)	2.2	5.9	7.8	7.5	6.9	6.2	11.0	1.7	NR	NR	6.1
Mean recovery (%)	96.4	98.8	70.6	77.8	86.0	74.7	158.6	96.1	NR	NR	84.1
NS spike 0.050 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	0.0474	0.0546	0.0368	0.0397	0.0429	0.0373	0.0748	0.0492	NR	0.0326	0.0428
CV (%)	4.5	9.8	4.6	3.0	12.4	12.3	8.9	4.8	NR	12.6	10.3
Mean recovery (%)	94.9	109.3	73.5	79.5	85.8	74.5	149.6	98.4	NR	65.2	85.6

FAIL RB = presence of the PFAS analyte in the reagent blank above the native standard spike; NR = no result due to insufficient data for calculations; * = single MRM transition for analyte identification

Table 8: Method validation data for the analysis of emerging PFAS in onion.

	HFPO-DA	PFBS	PFHxA	4:2 FTS	PFPeS	PFHpA	NaDON A	6:2 FTS	PFHpS	PFDA	8:2 FTS	PFNS
Blank	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration	<0.002 0	0.0111	FAIL RB	FAIL RB	FAIL RB	FAIL RB	<0.000 1	FAIL RB	0.0023	<0.000 5	0.0022	0.0036
NS spike 0.001 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	<0.002 0	<0.000 4	NR	NR	NR	NR	0.0011	NR	<0.000 1	0.0012	<0.000 2	<0.000 2
CV (%)	NR	NR	NR	NR	NR	NR	4.6	NR	NR	10.9	NR	NR
Mean recovery (%)	NR	NR	NR	NR	NR	NR	113.0	NR	NR	118.3	NR	NR
NS spike 0.005 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	0.0032	<0.000 4	NR	NR	NR	NR	0.0049	NR	0.0026	0.0052	0.0038	0.0028
CV (%)	21.6	NR	NR	NR	NR	NR	4.4	NR	42.4	5.4	20.2	39.9
Mean recovery (%)	60.7	NR	NR	NR	NR	NR	98.5	NR	52.3	104.4	76.7	56.3
NS spike 0.050 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	0.0453	0.0454	NR	NR	NR	NR	0.0488	NR	0.0492	0.0493	0.0441	0.0519
CV (%)	4.5	8.4	NR	NR	NR	NR	6.6	NR	3.5	6.0	4.4	4.2
Mean recovery (%)	90.5	90.9	NR	NR	NR	NR	97.6	NR	98.5	98.6	88.1	103.7

FAIL RB = presence of the PFAS analyte in the reagent blank above the native standard spike; NR = no result due to insufficient data for calculations

Table 8 (continued): Method validation data for the analysis of emerging PFAS in onion.

	PFUdA	9Cl-PF3ONS	N-MeFOSAA	N-EtFOSA A	PFDS	PFDoA	PFTTrD A	PFTeDA	PFBA*	PFPeA *	11Cl-PF3OuDS
Blank	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration	<0.0005	<0.0001	<0.0001	0.0001	<0.0001	<0.0001	<0.0005	0.0003	FAIL RB	0.0255	<0.0005
NS spike 0.001 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	0.0012	0.0011	0.0008	0.0008	0.0011	0.0008	0.0017	0.0011	NR	0.0008	0.0010
CV (%)	4.9	9.0	14.5	10.2	17.9	12.0	9.7	9.9	NR	408.5	12.0
Mean recovery (%)	115.4	106.9	81.1	79.4	112.1	80.2	165.8	107.4	NR	75.3	95.1
NS spike 0.005 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	0.0049	0.0047	0.0036	0.0037	0.0048	0.0033	0.0067	0.0048	NR	0.0107	0.0036
CV (%)	3.3	5.4	1.8	8.5	5.8	6.3	17.3	12.1	NR	129.9	13.1
Mean recovery (%)	98.9	93.7	72.7	74.0	95.9	67.0	134.9	97.0	NR	213.5	71.2
NS spike 0.050 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	0.0496	0.0492	0.0377	0.0393	0.0459	0.0330	0.0649	0.0465	NR	0.0491	0.0356
CV (%)	4.3	6.2	4.6	4.6	3.4	7.6	5.7	5.2	NR	5.5	9.3
Mean recovery (%)	99.2	98.4	75.3	78.6	91.7	66.0	129.8	93.1	NR	98.1	71.1

FAIL RB = presence of the PFAS analyte in the reagent blank above the native standard spike; NR = no result due to insufficient data for calculations; * = single MRM transition for analyte identification

Table 9: Method validation data for the analysis of emerging PFAS in potato.

	HFPO-DA	PFBS	PFHxA	4:2 FTS	PFPeS	PFHpA	NaDONA	6:2 FTS	PFHpS	PFDA	8:2 FTS	PFNS
Blank	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration	<0.0039	0.0005	FAIL RB	FAIL RB	<0.0005	FAIL RB	<0.0001	FAIL RB	<0.0005	0.0002	0.0022	<0.0001
NS spike 0.001 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	<0.0039	0.0007	NR	NR	0.0011	NR	0.0009	NR	0.0010	0.0008	<0.0002	0.0009
CV (%)	NR	13.1	NR	NR	8.4	NR	4.3	NR	6.5	11.4	NR	10.0
Mean recovery (%)	NR	74.9	NR	NR	105.0	NR	93.1	NR	96.5	84.7	NR	94.2
NS spike 0.005 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	0.0051	0.0043	NR	NR	0.0046	NR	0.0046	NR	0.0047	0.0048	0.0044	0.0050
CV (%)	11.2	7.6	NR	NR	9.6	NR	3.6	NR	7.9	5.1	26.8	12.7
Mean recovery (%)	101.2	85.6	NR	NR	92.2	NR	91.9	NR	93.1	96.6	87.5	99.4
NS spike 0.050 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	0.0407	0.0401	NR	NR	0.0429	NR	0.0448	NR	0.0444	0.0470	0.0456	0.0458
CV (%)	6.6	4.5	NR	NR	3.9	NR	5.5	NR	7.2	4.3	6.9	10.1
Mean recovery (%)	81.4	80.2	NR	NR	85.9	NR	89.5	NR	88.8	93.9	91.1	91.7

FAIL RB = presence of the PFAS analyte in the reagent blank above the native standard spike; NR = no result due to insufficient data for calculations

Table 9 (continued): Method validation data for the analysis of emerging PFAS in potato.

	PFUdA	9Cl-PF3ONS	N-MeFOSA A	N-EtFOSA A	PFDS	PFDoA	PFTTrD A	PFTeDA	PFBA*	PFPeA *	11Cl-PF3OuDS
Blank	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration	<0.0006	<0.0005	<0.0001	<0.0001	<0.0001	<0.0006	<0.0008	<0.0009	FAIL RB	0.0176	<0.0009
NS spike 0.001 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	0.0010	0.0009	0.0007	0.0007	0.0008	0.0006	0.0013	0.0011	NR	<0.027 2	<0.0009
CV (%)	4.6	4.8	5.9	9.2	13.4	13.7	33.4	8.0	NR	NR	NR
Mean recovery (%)	103.6	94.6	74.6	72.2	83.1	59.9	130.0	112.2	NR	NR	NR
NS spike 0.005 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	0.0050	0.0042	0.0038	0.0037	0.0043	0.0035	0.0065	0.0046	NR	<0.027 2	0.0034
CV (%)	6.5	8.0	8.8	6.8	13.0	8.9	36.0	6.8	NR	NR	15.2
Mean recovery (%)	99.3	84.4	76.1	74.6	86.4	69.5	130.7	92.7	NR	NR	68.4
NS spike 0.050 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	0.0473	0.0366	0.0355	0.0364	0.0394	0.0319	0.0603	0.0459	NR	0.0562	0.0282
CV (%)	3.4	8.3	3.6	5.2	15.5	12.5	14.2	3.7	NR	52.9	19.4
Mean recovery (%)	94.5	73.3	71.0	72.8	78.8	63.7	120.7	91.8	NR	112.4	56.4

FAIL RB = presence of the PFAS analyte in the reagent blank above the native standard spike; NR = no result due to insufficient data for calculations; * = single MRM transition for analyte identification

Table 10: Method validation data for the analysis of emerging PFAS in tomato.

	HFPO-DA	PFBS	PFHxA	4:2 FTS	PFPeS	PFHpA	NaDONA	6:2 FTS	PFHpS	PFDA	8:2 FTS	PFNS
Blank	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration	<0.002 0	0.0003	FAIL RB	0.0008	<0.000 1	FAIL RB	<0.0001	FAIL RB	<0.000 1	<0.000 1	<0.000 3	<0.000 1
NS spike 0.001 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	<0.002 0	0.0009	NR	0.0009	0.0009	NR	0.0009	NR	0.0009	0.0010	0.0011	0.0013
CV (%)	NR	6.9	NR	21.6	4.2	NR	5.2	NR	8.2	6.0	7.5	19.6
Mean recovery (%)	NR	93.6	NR	85.3	87.2	NR	88.8	NR	94.9	103.5	110.6	133.6
NS spike 0.005 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	<0.002 0	0.0042	NR	0.0164	0.0043	NR	0.0042	NR	0.0048	0.0049	0.0065	0.0068
CV (%)	NR	4.7	NR	51.0	5.1	NR	5.3	NR	4.9	4.6	20.4	10.2
Mean recovery (%)	NR	83.2	NR	328.0	86.7	NR	84.4	NR	95.4	98.1	129.4	135.5
NS spike 0.050 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	0.0494	0.0425	NR	0.0475	0.0466	NR	0.0441	NR	0.0532	0.0510	0.0487	0.0759
CV (%)	4.9	5.9	NR	4.8	6.4	NR	5.8	NR	7.1	6.0	5.4	21.7
Mean recovery (%)	98.8	85.1	NR	95.0	93.2	NR	88.2	NR	106.4	102.1	97.4	151.8

FAIL RB = presence of the PFAS analyte in the reagent blank above the native standard spike; NR = no result due to insufficient data for calculations

Table 10 (continued): Method validation data for the analysis of emerging PFAS in tomato.

	PFUdA	9Cl-PF3ONS	N-MeFOSAA	N-EtFOSA A	PFDS	PFDoA	PFTTrD A	PFTeDA	PFBA *	PFPeA *	11Cl-PF3OuDS
Blank	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration	<0.0002	<0.0001	<0.0008	<0.0003	<0.0001	<0.0005	<0.0005	<0.0001	FAIL RB	0.0188	<0.0005
NS spike 0.001 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	0.0010	0.0011	<0.0008	0.0007	0.0013	0.0007	0.0018	0.0010	NR	0.0016	0.0009
CV (%)	9.0	23.6	NR	14.3	25.0	17.7	22.4	7.7	NR	96.6	32.9
Mean recovery (%)	100.4	114.5	NR	73.3	127.4	71.8	177.1	104.3	NR	156.2	91.9
NS spike 0.005 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	0.0047	0.0054	0.0036	0.0036	0.0065	0.0031	0.0084	0.0046	NR	0.0045	0.0045
CV (%)	9.8	17.9	7.0	8.1	13.7	21.6	9.0	6.4	NR	37.0	32.3
Mean recovery (%)	94.8	107.6	72.5	71.1	129.4	61.7	168.9	92.7	NR	90.7	91.0
NS spike 0.050 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	0.0497	0.0737	0.0383	0.0378	0.0696	0.0426	0.0894	0.0470	NR	0.0499	0.0641
CV (%)	4.9	13.7	5.6	5.1	22.2	4.5	9.9	4.6	NR	4.5	14.6
Mean recovery (%)	99.4	147.3	76.6	75.5	139.2	85.2	178.8	94.1	NR	99.8	128.1

FAIL RB = presence of the PFAS analyte in the reagent blank above the native standard spike; NR = no result due to insufficient data for calculations; * = single MRM transition for analyte identification

Table 11: Method validation data for the analysis of emerging PFAS in wheat flour.

	HFPO-DA	PFBS	PFHxA	4:2 FTS	PFPeS	PFHpA	NaDONA	6:2 FTS	PFHpS	PFDA	8:2 FTS	PFNS
Blank	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration	<0.007 8	0.0021	FAIL RB	FAIL RB	0.0010	FAIL RB	0.0010	FAIL RB	0.0010	0.0008	0.0051	0.0010
NS spike 0.001 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	<0.007 8	<0.000 4	NR	NR	<0.000 1	NR	<0.0001	NR	0.0066	0.0064	0.0028	0.0058
CV (%)	NR	NR	NR	NR	NR	NR	NR	NR	72.8	70.2	164.2	74.2
Mean recovery (%)	NR	NR	NR	NR	NR	NR	NR	NR	664.5	639.8	281.1	579.2
NS spike 0.005 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	<0.007 8	0.0055	NR	NR	0.0059	NR	0.0054	NR	0.0069	0.0070	0.0032	0.0059
CV (%)	NR	81.7	NR	NR	82.7	NR	88.0	NR	79.4	78.7	145.2	80.2
Mean recovery (%)	NR	109.5	NR	NR	117.7	NR	108.7	NR	138.0	140.2	63.1	117.0
NS spike 0.050 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	0.0379	0.0353	NR	NR	0.0390	NR	0.0327	NR	0.0425	0.0395	0.0357	0.0388
CV (%)	16.1	10.3	NR	NR	11.5	NR	12.6	NR	11.0	10.2	13.5	27.5
Mean recovery (%)	75.9	70.7	NR	NR	78.0	NR	65.3	NR	84.9	78.9	71.4	77.7

FAIL RB = presence of the PFAS analyte in the reagent blank above the native standard spike; NR = no result due to insufficient data for calculations

Table 11 (continued): Method validation data for the analysis of emerging PFAS in wheat flour.

	PFUdA	9Cl-PF3ONS	N-MeFOSAA	N-EtFOSA A	PFDS	PFDoA	PFTTrD A	PFTeDA	PFBA*	PFPeA *	11Cl-PF3OuDS
Blank	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration	0.0011	0.0010	0.0008	0.0008	<0.000 1	<0.000 5	<0.000 1	<0.0001	FAIL RB	0.0198	<0.0009
NS spike 0.001 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	0.0070	0.0063	0.0046	0.0051	<0.000 1	<0.000 5	<0.000 1	<0.0001	NR	0.0050	<0.0009
CV (%)	75.4	75.8	74.8	71.6	NR	NR	NR	NR	NR	130.2	NR
Mean recovery (%)	695.5	628.0	461.2	510.8	NR	NR	NR	NR	NR	502.7	NR
NS spike 0.005 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	0.006 6	0.0061	0.0048	0.0055	<0.000 1	0.0021	<0.000 1	<0.0001	NR	0.0107	0.0039
CV (%)	82.0	73.1	77.0	79.9	NR	86.8	NR	NR	NR	102.6	70.1
Mean recovery (%)	131.4	122.2	96.2	110.3	NR	41.9	NR	NR	NR	213.6	77.6
NS spike 0.050 µg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean concentration (µg/kg)	0.0426	0.0469	0.0305	0.0334	<0.000 1	0.0090	<0.000 1	<0.0001	NR	0.0378	0.0248
CV (%)	12.4	47.7	9.2	10.2	NR	44.1	NR	NR	NR	25.7	41.8
Mean recovery (%)	85.2	93.9	60.9	66.9	NR	18.0	NR	NR	NR	75.6	49.7

FAIL RB = presence of the PFAS analyte in the reagent blank above the native standard spike; NR = no result due to insufficient data for calculations; * = single MRM transition for analyte identification